

implementing call routing to the forwarding number by selecting one of said alternative lines based on the basic service code.

B¹
Cmcd
SUB
D1

2. (Twice Amended) A method for implementing call forwarding in a mobile system comprising at least a first exchange for carrying out call forwarding via one of several alternative lines on the basis of subscriber data related to the call forwarding and at least one home location register connected to the first exchange for storing the subscriber data related to the call forwarding, the method comprising:

receiving at the first exchange a call set-up message addressed to a subscriber in the mobile system;

requesting routing information from the home location register;

transmitting a response message from the home location register to the first exchange, the message comprising data indicating the call forwarding, a forwarding number, and a basic service code indicating the basic service related to the call; and

implementing call routing to the forwarding number by selecting one of said alternative lines based on said basic service code.

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D2

4. (Twice Amended) A method for implementing call forwarding in a mobile system comprising at least one exchange for carrying out call forwarding via one of several alternative lines on the basis of subscriber data related to the call forwarding and at least one visitor location register for storing the subscriber data related to the call forwarding, the method comprising:

receiving at the exchange a call set-up message addressed to a subscriber in the mobile system;

providing a subscriber data request to the visitor location register connected to the exchange;

transmitting a response message from the visitor location register to the exchange, the message comprising data indicating the call forwarding, a forwarding number and a basic service code; and

implementing call routing to the forwarding number by selecting one of said alternative lines based on the basic service code.

5. (Twice Amended) A home location register connected to a first exchange in a mobile system, wherein the home location register is arranged to transmit a basic service code to the first exchange in connection with a response message to a routing information request, [the data indicating] the basic service code indicating the necessary properties of the line which should be selected in routing the call.

7. (Twice Amended) A first exchange in a mobile system, comprising means for transferring a call to a forwarding number via one of several alternative lines, wherein the exchange is arranged to derive a basic service code from the call-set up message or from a response message transmitted by the home location register to the first exchange in response to a subscriber data request; and

the exchange is arranged to route the call to the forwarding number by selecting one of said alternative lines based on the basic service code.

11. (Twice Amended) An exchange in a mobile system, comprising means for transferring a call to a forwarding number via one of several alternative lines, wherein the exchange is arranged to derive a basic service code from basic service data that indicates the basic service of the call and that is transmitted in connection with the call set-up message or a response message transmitted from the visitor location register to the exchange in response to a subscriber data request, and

the exchange is arranged to perform routing to the forwarding number by selecting
one of said alternative lines based on said basic service code.

See the attached Appendix for the changes made to effect the above claims.